

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	181	(299/23).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/29 17:20
L2	9	("1514058"   "3425500"   "4039033"   "4690460"   "4858701"   "5000517"   "5775848").PN. OR ("6948573"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/29 16:40
L3	19	e21c037/02.ipc.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/29 16:40
L4	0	e21c37/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 16:41
L5	0	e21c307/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 16:41
L6	280	e21c037/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 16:41
L7	215	(299/20-22).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/29 17:20
L8	436	1 or 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 17:21
L9	176	7 not 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 17:52
L10	202	((wedge or wedging) same (hydraulic or cylinder) same (biasing or spring)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 18:17

## EAST Search History

L11	1	10 and heather	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 18:17
-----	---	----------------	---	----	----	------------------

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	181	(299/23).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/29 17:20
L2	9	("1514058"   "3425500"   "4039033"   "4690460"   "4858701"   "5000517"   "5775848").PN. OR ("6948573"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/29 16:40
L3	19	e21c037/02.ipc.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/29 16:40
L4	0	e21c37/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 16:41
L5	0	e21c307/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 16:41
L6	280	e21c037/02.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 16:41
L7	215	(299/20-22).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/29 17:20
L8	436	1 or 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 17:21
L9	176	7 not 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 17:52
L10	202	((wedge or wedging) same (hydraulic or cylinder) same (biasing or spring)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 18:17

## EAST Search History

L11	1	10 and heather	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/29 18:17
S1	2	((("4039033") or ("4858701"))).PN.	USPAT; USOCR	OR	OFF	2006/02/17 19:29
S2	1	("4690460").PN.	USPAT; USOCR	OR	OFF	2004/06/24 11:40
S3	1	("5000517").PN.	USPAT; USOCR	OR	OFF	2004/06/24 21:28
S4	1	("5775848").PN.	USPAT; USOCR	OR	OFF	2004/06/24 12:15
S5	814	rock near7 (breaking or demolition)	USPAT	OR	ON	2004/06/24 12:16
S6	58	(rock near7 (breaking or demolition)) same (outward\$2 or radially)	USPAT	OR	ON	2004/06/24 12:25
S7	319	(299/20-23).CCLS.	USPAT; USOCR	OR	OFF	2004/06/24 22:47
S8	3	("0900003"   "3727599"   "4099784").PN.	USPAT	OR	ON	2004/06/24 12:28
S9	0	"4311343".URPN.	USPAT	OR	ON	2004/06/24 12:28
S10	0	"4311343".URPN.	USPAT	OR	ON	2004/06/24 12:28
S11	1	"1514058".URPN.	USPAT	OR	ON	2004/06/24 12:43
S12	38	(299/20-23).CCLS.	US-PGPUB; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/24 13:30
S13	109	singh and cladding	USPAT	OR	ON	2004/06/24 13:30
S14	70	"405"/\$.ccls. and cladding	US-PGPUB; USPAT	OR	ON	2004/06/24 13:31
S15	34	(rock near2 drill) near8 (hydraulic near2 pressure)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 21:01
S16	11	(rock near2 drill) same (expand\$3 near4 (outward\$2 or radial\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 21:03
S17	207	(175/267).CCLS.	USPAT; USOCR	OR	OFF	2004/06/24 21:29

## EAST Search History

S18	225	(175/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/25 02:13
S19	131	(175/230).CCLS.	USPAT; USOCR	OR	OFF	2004/06/24 22:02
S20	155	(175/269).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/24 22:02
S21	0	("006not4").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/24 22:02
S22	150	((175/269).CCLS.) not ((175/267).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 22:02
S23	357	(299/20-23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/29 16:03
S24	842	((173/202) or (173/204) or (173/121) or (173/135)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/25 02:13
S25	730	((299/20-23).CCLS.) or ((175/269).CCLS.) or ((175/267).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/25 02:07
S26	842	((((173/202) or (173/204) or (173/121) or (173/135)).CCLS.) not (((299/20-23).CCLS.) or ((175/269).CCLS.) or ((175/267).CCLS.)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 23:38
S27	1	"2004787".PN.	USPAT	OR	ON	2004/06/25 00:39
S28	3	"4690460".URPN.	USPAT	OR	ON	2004/06/25 00:39
S29	3	("0900003"   "3727599"   "4099784").PN.	USPAT	OR	ON	2004/06/25 00:40
S30	0	"4311343".URPN.	USPAT	OR	ON	2004/06/25 00:40
S31	5	"2093452".URPN.	USPAT	OR	ON	2004/06/25 00:40
S32	1	"1514058".URPN.	USPAT	OR	ON	2004/06/25 00:40

## EAST Search History

S33	2	"1241386".URPN.	USPAT	OR	ON	2004/06/25 00:41
S34	2	"900003".URPN.	USPAT	OR	ON	2004/06/25 00:41
S35	39	"4618009".URPN.	USPAT	OR	ON	2004/06/25 00:41
S36	15	("1589508"   "2069482"   "2177721"   "2457628"   "2679383"   "2743904"   "2755070"   "2847189"   "2872160"   "2910274"   "3196960"   "3419077"   "3757876"   "3757877"   "4169510").PN.	USPAT	OR	ON	2004/06/25 00:42
S37	0	"2108330".URPN.	USPAT	OR	ON	2004/06/25 00:48
S38	0	"2108330".URPN.	USPAT	OR	ON	2004/06/25 00:48
S39	1	"1514058".URPN.	USPAT	OR	ON	2004/06/25 00:48
S40	1217	((175/267).CCLS.) or ((175/269). CCLS.) or (((173/202) or (173/204) or (173/121) or (173/135)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/25 02:14
S41	163264	hydraulic and (spring or bias\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/25 02:49
S42	606	((173/202) or (173/204) or (173/121) or (173/135)).CCLS.	USOCR	OR	OFF	2004/06/25 02:13
S43	231	((175/267) or (175/269)).CCLS.	USOCR	OR	OFF	2004/06/25 02:13
S44	837	((173/202) or (173/204) or (173/121) or (173/135)).CCLS.) or (((175/267) or (175/269)).CCLS.)	USOCR	OR	ON	2004/06/25 02:13
S45	66410	hydraulic and (spring or bias\$3)	USOCR	OR	ON	2004/06/25 02:50
S46	139	((175/267).CCLS.) or ((175/269). CCLS.) or (((173/202) or (173/204) or (173/121) or (173/135)).CCLS.)) and (hydraulic and (spring or bias\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/25 02:14
S47	101	((173/202) or (173/204) or (173/121) or (173/135)).CCLS.) or (((175/267) or (175/269)).CCLS.)) and (hydraulic and (spring or bias\$3))	USOCR	OR	ON	2004/06/25 02:33
S48	24	(hydraulic and (spring or bias\$3)) and ((299/20-23).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/25 02:49
S49	253	(299/20-23).CCLS.	USOCR	OR	OFF	2004/06/25 02:50
S50	35	(hydraulic and (spring or bias\$3)) and ((299/20-23).CCLS.)	USOCR	OR	ON	2004/06/25 02:50

## EAST Search History

S51	1643	((299/20-23) or (175/267) or (175/230) or (175/269) or (173/202) or (173/204) or (173/121) or (173/135)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/11 01:14
S52	1	("6948573").PN.	USPAT; USOCR	OR	OFF	2006/02/17 19:31
S53	9	("1514058"   "3425500"   "4039033"   "4690460"   "4858701"   "5000517"   "5775848").PN. OR ("6948573").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 19:32
S54	1	("6926471").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/17 22:06